

Title (en)

ANALYZER INSTRUMENT WITH LIQUID STORAGE PORTION

Title (de)

ANALYSATORGERÄT MIT ANTEIL ZUR SPEICHERUNG VON FLÜSSIGKEIT

Title (fr)

CAMERA NUMERIQUE

Publication

**EP 1637889 A1 20060322 (EN)**

Application

**EP 04745901 A 20040615**

Priority

- JP 2004008347 W 20040615
- JP 2003175247 A 20030619

Abstract (en)

The present invention relates to an analytical tool (1A) which includes a flow path (8A) for moving a sample, a sample introduction port (73A), and a liquid reservoir (7A) for reserving the sample to be introduced into the flow path (8A) . The flow path (8A) and the liquid reservoir (7A) are configured to cause suction force to act on both the flow path and the liquid reservoir. The suction force to act on the liquid reservoir (7A) is smaller than the suction force to act on the flow path (8A). The sectional area of the liquid reservoir (7A) in a perpendicular direction which is perpendicular to the movement direction of the sample is set larger than the sectional area of the flow path (8A) in the perpendicular direction. Preferably, the capacity of the liquid reservoir (7A) is set larger than the capacity of the flow path (8A).

IPC 1-7

**G01N 35/08**; **G01N 33/48**

IPC 8 full level

**B01L 3/00** (2006.01)

CPC (source: EP US)

**B01L 3/502715** (2013.01 - EP US); **B01L 3/50273** (2013.01 - EP US); **B01L 2200/027** (2013.01 - EP US); **B01L 2300/0825** (2013.01 - EP US); **B01L 2300/0887** (2013.01 - EP US); **B01L 2400/0406** (2013.01 - EP US)

Citation (search report)

See references of WO 2004113927A1

Cited by

CN104334274A; US10485460B2; US10736565B2; US11253190B2; US10471249B2; US11460430B2; US10405794B2; US10674946B2; US10506968B2; US10932761B2; US11317835B2; US10136831B2; US10888244B2; US10639015B2; US10646142B2; US11129554B2; US10182795B2; US10368847B2; US11266381B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1637889 A1 20060322**; CN 1809754 A 20060726; JP WO2004113927 A1 20060824; US 2006147343 A1 20060706; WO 2004113927 A1 20041229

DOCDB simple family (application)

**EP 04745901 A 20040615**; CN 200480017216 A 20040615; JP 2004008347 W 20040615; JP 2005507214 A 20040615; US 56020405 A 20051208